

Progress report on
“The influence of land surface state initialization on seasonal forecasts skill in the
NCEP Noah-LSM Climate Forecast System (CFS-Noah)”
NOAA Grant (NA06OAR4310051, Proposal GC06-314)

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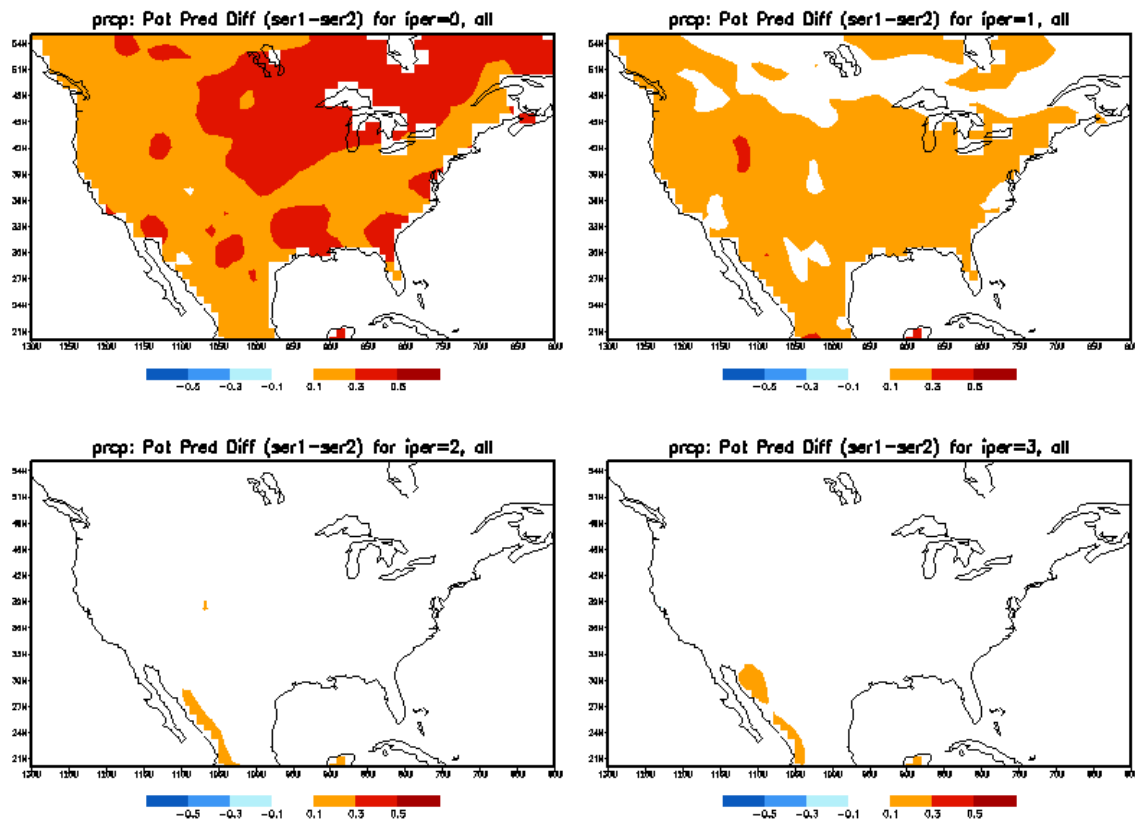


Figure 1: The difference between idealized predictability of precipitation from series 1 and series 2 experiment. It reflects the contribution of realistic land surface state initialization to idealized predictability at seasonal time scales.

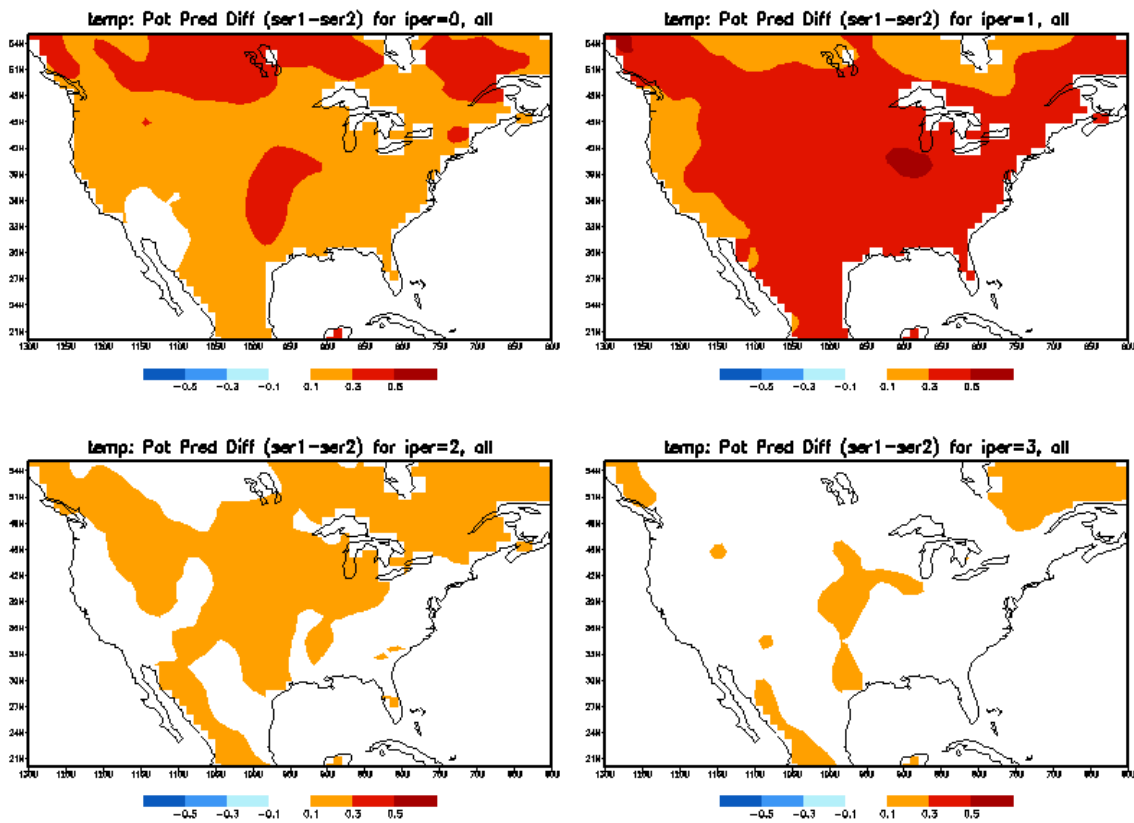


Figure 2: The same as Figure 1 but for temperature. The difference between the first 15-day period and the second 15-day period indicates that predictability of temperature is affected by the atmospheric initial conditions during the first 15-day period but significantly affected by land surface initial condition during the second 15-day period.